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ADDITIONS TO THE MUSEUM.

- ARCHÆOLOGY, ANTIQUITIES, IMPLEMENTS, ETC.—Joseph Leidy. Fragment of Druid stone, Avebury, Eng.
 Stuart Wood. Contents of an Indian shell-heap, Indian River, Fla.
 Miss A. M. Fielde. Earrings of native work, Laos.
 H. Beates. Aboriginal urn, Clearfield Co., Pa.
 J. Willcox. Indian implements, Hernando Co., Fla.
 Marquis de Nadaillac. Paleoliths, Ras-el Oued, Tunis, Africa.
- MAMMALIA (recent and fossil).—W. P. Buck. Double-headed foetal pig (*Sus scrofa*).
 Phil. Zool. Society. *Macrorhinus angustirostris* (skull), Coast of California; *Cercopithecus albigularis*, Africa.
 J. B. Betts. *Condylura cristata*, New Castle, Del.
 Mr. Kochusperger. 8 mammalian skulls; antlers of *Cariacus Virginianus*; horns of *Rupicapra tragus*, *Tamias striatus*, *Scalops aquaticus*; skull of *Cariacus Virginianus*, *Ovis aries* (2); horns of *Bos bubalus*, and *Ovis aries*; human skull.
- BIRDS.—Stuart Wood. Skeleton and eggs of *Pelecanus fuscus*, from Florida; skeleton of *Colymbus torquatus*; *Tachypetes aquila*.
 Mr. Kochusperger. 39 bird skulls, *Corvus Americanus*, *Melanerpes erythrocephalus*, *Porzana Carolina*, and 12 birds' nests.
 G. Cochran. *Didunculus strigirostris*, Samoa.
 H. England. Embryo pigeon showing five toes.
 J. Ford. Nest of *Vireo olivaceus*, Phila., Pa.
- REPTILES AND AMPHIBIANS (recent and fossil).—Capt. Livermore. 20 species of amphibians and reptiles from the valley of the Rio Grande.
 Harrison Allen. *Anolis principalis*, Fla.
 E. Reiff. *Eutania sirtalis*, Phila., Pa.
 E. A. Sturge. *Lygosoma brachypoda*, Petchaburi, Siam.
 J. Border. Vertebra of *Mosasaurus* and crocodile; tooth of *Hyposaurus*, and fragments of turtle bones, Mullica Hill, N. J.
 A. F. Gentry. *Eutania sirtalis*, *Ophibolus doliatus*, *Aromochelys odoratus*, *Rana clamitans*, *Rana palustris*, Phila., Pa.
 Wortman and Gentry. *Eutania sirtalis*, *Storeria Dekayi*, and *Spelerpes ruber*, Phila., Pa.
 J. Hazard. *Liopeltis vernalis*, Peacedale, R. I.
 E. W. White. *Ceratophrys ornata*, pampas of Buenos Ayres, S. A.
 H. Skinner. *Diemyctilus miniatus*, *Diemyctilus viridescens*, Adirondack and Catskill Mountains, N. Y.
 Unknown. *Phrynosoma platyrhina* and *Phrynosoma Douglassi*, Humboldt River, Nev.; *Phrynosoma Douglassi*, locality unknown.
- FISHES (recent and fossil).—E. F. Halliwell. *Diodon hystrix*, Barbadoes. *Halocypselus evolans*.
 J. Jeanes. *Xiphotrygon acutidens*, Eocene of Green River, Wyoming.
 A. F. Gentry. *Pomotis aureus*, *Rhinichthys atronasmus*, *Boleosoma Olmstedii*, Phila., Pa.
 Wortman and Gentry. *Prionotis lineatus*, Coast of N. J.
 N. S. Schuyler. *Lagocephalus laevigatus*, Barnegat Bay, N. J.
 J. Ford. *Siphostoma fusca*, Somers' Point, N. J.
 Prof. Porter. Fish, sp.? Warren Co., N. J.
 Mr. Kochusperger. *Hippocampus Hudsonius*, *Pristis antiquorum*, *Sphyrna zyggæna*, *Siphostoma fusca*.
 B. Sharp. *Amphioxus lanceolatus*, Bay of Naples, Italy.

- ARTICULATES (Crustaceans, insects, arachnids, and myriapods, recent and fossil).—Joseph Leidy. *Eupagurus pollicaris*, Atlantic City, N. J.; *Eupagurus pollicaris* in *Natica* and *Fulgur*, Atlantic City, N. J.; *Libinia canaliculata*, Atlantic City, N. J.
- J. Ford. *Ocypoda arenaria*, Atlantic City, N. J.
- H. Skinner. Cocoons of *Actias Luna*, *Callosamia angulifera*, and *Platysamia Columbia*; chrysalids of *Papilio Turnus*, *Papilio troilus*, *Papilio asterias*, and *Saturnia Io*, Phila., Pa.
- H. C. Brick. *Belostoma grandis*, Phila., Pa.
- W. Y. Heberton. *Limulus polyphemus* (2), Cape May Point, N. J.
- Mr. Beck. Trap of *Tarantula*.
- H. Kingsbury. Case of insects, Blair Co., Pa.
- Purchased. Casts of *Asaphus megistos* (Trilobite), showing impression of legs.
- MOLLUSCA (recent).—S. F. Aaron. Five species of land shells from Texas.
- Rafael Arango. Fifteen species of land, fresh-water and marine shells from Cuba, New Guinea and New Hebrides; five marine species from Cuba; four species from Cuba (types of descriptions).
- S. Archer. One hundred and twenty-five species of marine shells collected by him at Singapore.
- W. G. Binney. Six species terrestrial shells from N. Carolina, and five species from Georgia; seventeen species from the mountains of Western N. Carolina.
- Mrs. A. E. Bush. *Helix ramentosa*, Gould, and *H. pulchella*, Müll. (introduced), from California.
- Conchological Section. Sixty-six marine species collected at Singapore by Dr. S. Archer; three hundred and five trays of marine, land and fresh-water shells from Florida, Texas, etc., collected by Henry Hemphill; one hundred and twenty-five species marine shells from Singapore; ten species of land and fresh water shells (from C. F. Ancey, Marseilles).
- John Ford. *Littorina irrorata*, Say, South Atlantic City, N. J.; egg cases of *Fulgur carica* and *F. canaliculata*, Brigantine Beach, N. J.; *Solen ensis*, L., Cape May, N. J.; *Cytherea convexa*, Say, Atlantic City, N. J.; *Donax fossor*, Say, and *Petricola pholadiformis*, Lam.; *Bulimus*, from Syria, *Cingula minuta*, Totten, Providence, R. I.; *Mactra solidissima*, Chemn., young, So. Atlantic City, N. J.; *Gemma Manhattenensis*, Prime, Narragansett Bay, R. I.; egg cases of *Nassa*, and *Petricola pholadiformis*, Lam., Sea Isle City, N. J.; *Solen ensis*, L., with animals, and nidus of *Natica duplicata*, Say, Somers' Point, N. J.; fine specimen of *Turbinella scolymus*, Bahamas; *Natica duplicata*, Say, Atlantic City, N. J.; *Fulgur canaliculata*, Say, Anglesea, N. J.; *Mactra solidissima*, Chemn., and *Zirphæa crispata*, L., from same locality; *Arca pexata* and *Natica duplicata*; egg cases of *Fulgur canaliculata*, attached to valve of *Mactra*; all from Anglesea.
- Isaiah Greigor. Seven marine species from the Bahamas; *Bulima intermedia*, Cantr., Florida; *Nerita peleronta*, L. Bahamas. Three marine species from Florida, and two species from the Bahamas.
- Andrew Garrett. Eighty-four species of Terrestrial Mollusca, types figured in his paper on the Shells of the Society Islands, published in the Journal of the Academy, vol. ix.
- W. D. Hartman. *Achatinella Sowerbyana*, and two other species of *Achatinella*.
- F. L. Harvey. Seven species of fresh-water shells, Arkansas.
- Henry Hemphill. Six species of Pleurotomidæ, from Florida.
- Benton Holcomb. Seven species fresh-water shells, Connecticut.
- J. A. Holmes. *Marginella roseida*, Redfield, from an Indian burial mound, N. Carolina.
- Jos. Leidy. *Columbella lunata*, Say, Atlantic City, N. J.

- E. Lehnert. One hundred and twelve trays, shells of Washington, D. C.
 E. Marie. Forty five species of shells from Guadeloupe, W. I.
 Isaac Massey. *Ranella pulchra*, Japan.
 Wesley Newcomb. *Bythinella Monroensis*, Fraunfeld, Florida Springs, Florida.
 C. R. Orcutt. Thirty-four species, California; three marine species, Lower California.
 G. H. Parker. *Ommastrephes sagittatus*, N. Jersey; ten marine species, vicinity of Boston, Mass.
 W. H. Rush. Wood bored by *Xylotrya fimbriata*, from Chesapeake Bay.
 A. W. Robinson. *Helix bucculenta*, Gould, Norfolk, Va.
 Mrs. Benj. Sharp. *Mya arenaria*, Linn., Nantucket, Mass.
 Benj. Sharp. *Mercenaria violacea*, Schum., Nantucket; eleven marine species from the Mediterranean Sea; *Limax agrestis*, Linn., Germantown, Pa.
 U. C. Smith. *Unio complanatus*, Solander, from branch of Maurice River, near Vineland, N. J.
 F. E. Spinner. *Murex adustus*, Linn., from Bahamas; four species of Unionidæ, from New Hampshire.
 L. H. Streng. *Cerithium ocellatum*, Brug., Panama; *Planorbis bicarinatus*, Say, Salem, Oregon; two species fresh-water shells from Michigan.
 Southwick and Jenks. *Cingula minuta*, Totten, Naragansett Bay, R. I.
 Joseph Willcox. Three marine species, and nidimental capsules of *Fasciolaria*, *Ostrea parasitica*, on mangrove branch, all from W. Coast of Florida.
 H. C. Wood, Jr. *Bulimus alternatus*, Say, Valley of the Rio Grande, Texas; *Ommastrephes sagittatus*.
- MOLLUSCA (fossil).—E. W. Cooper. *Belemnitella mucronata*, Cretaceous, N. J.
 C. S. Bement. *Cerithium giganteum*, Fleury, France.
 J. Border. Cast of *Arca*, Mullica Hill, N. J.
 J. Leidy. *Ostrea Virginica*, *Buccinum undatum*, Atlantic City, N. J.
 J. Ford. *Pecten irradians*, *Fulgur carica*, *Fulgur canaliculata*, *Crepidula fornicata*.
 In exchange with Dr. Otto Meyer. 170 species of Oligocene shells, from Germany.
- WORMS, ECHINODERMS, CŒLENTERATES AND SPONGES (recent and fossil).
 — J. Ford. *Caudina arenaria*, Atlantic City, N. J.; *Mellita testudinata*, Holly Head City, N. J.; Sponge, Somers' Point, N. J.; *Lepas anserifera*, Atlantic City, N. J.; *Tubularia indivisa* and Annelid, Sea Isle City.
 J. Leidy. *Astrangia Danae*, Atlantic City, N. J.
 E. Potts. 12 species of American fresh-water sponges, Philadelphia, Pa.; *Meyenia Leidyi*, Philadelphia, Pa.
 C. Wistar. *Serpula dianthus*, Barnegat, N. J.
 J. Willcox. Six specimens of Marine Sponges, West Coast of Florida; 70 trays, containing about 50 (?) species of Marine Sponges, W. Coast of Florida.
 L. Woolman. *Scolithus linearis*, Valley Forge, Pa.
 G. H. Parker. *Botryllus Gouldii*, *Molgula Manhattensis*, *Dactylometra quinquecirra*, Shark River, N. J.
 Lieut. Ruschenberger. Sponge, Long Island.
 A. H. Smith. *Pentremites pyriformis*, Mammoth Cave, Ky.
- INVERTEBRATE FOSSILS, UNCLASSIFIED.—G. H. Parker. 26 species of Cretaceous and Carboniferous fossils, from Texas; 10 species of Carboniferous fossils, Wise Co., Texas.

- G. W. Holstein. 8 species of Cretaceous and Carboniferous fossils, from Texas.
 J. Willcox. 15 trays of Oligocene rocks and fossils, West Coast of Fla.
 T. H. Aldrich. 21 species of Tertiary fossils, from Mississippi.
 W. Spillman. 4 species of Eocene fossils and 2 species of Cretaceous fossils, from Mississippi.

BOTANY (recent).—Wm. M. Canby, in charge of Division of Economic Botany of Northern Transcontinental Survey. 1013 species of plants, collected in 1883, in Dakota, Montana and Washington Territories by himself, and by F. L. Scribner, T. S. Brandegee and Frank Tweedy; 6 species collected in Maryland and Florida, by J. Donnell Smith.

A. L. Siler, Kane Co., Utah, through Thomas Meehan. 41 species plants, from Southern Utah.

Wm. H. Jeffries, West Chester, Pa. Specimens of *Gentiana campestris*, from vicinity of Geneva, Switzerland.

John H. Redfield. 130 species plants, from Atlantic and Pacific States, mostly new to Academy's Herbarium; specimens of *Corema Conradii* Torr., from the chief known localities of the United States.

John H. Redfield and Isaac C. Martindale. 9 species plants collected by C. R. Orentt, on border of Lower California, in 1883, mostly new to the Herbarium.

Isaac C. Martindale. Ellis 11th, 12th and 13th Centuries of North American Fungi; "Tuckahoe," or "Indian Bread," collected at Kirkwood, N. J., by Joel P. Kirkbride.

Thos. Meehan. *Sesbania punicea* B. and H., cultivated in Southern States; *Cuscuta racemosa* Mart., var. *Chiliana* Engelm., growing on Lucerne, in California, with European specimens of same, both received from Dr. Engelmann; 207 species of plants collected by him in British Columbia and Alaska, in 1883; *Aphelandra* —, from Western Guatemala; 16 species plants, collected in Arizona, by J. G. Lemmon; Male Strobilus of *Macrozamia* —, an Australian Cycad; Specimens of *Halesia tetraptera* L., from Mr. Meehan's garden, with specimens of an aberrant seedling from same plant, to illustrate remarks of Mr. Meehan in Proc. Acad. Nat. Sci., for 1884, p. 32.

John W. Eckfeldt. 100 species Lichens, mostly from Pennsylvania, mounted and named by himself; 132 species Lichens, from Hawaiian Islands, England, Austria, Sweden, etc, mostly new to Academy's collection.

Asa Gray. 39 species Arctic plants, collected by Dr. John Murdock, at Signal Service Station, Ooglamie, Pt. Barrow, Arctic Sea, lat. 71°; 19 species plants, collected at Copper I., and Behring's Island, Coast of Kamtschatka, by L. Stejneger, in 1882 and 1883; 101 species plants, mostly from China, collected by Ford, David, etc.; *Aster novi-Belgii* L., and variety, *Aster paniculatus* Lam., and *Aster vimineus* Lam., all from Massachusetts; 1057 species plants, mostly European, from Herbarium of Geo. Curling Joad.

G. W. Holstein, through Thos. Meehan. 59 species plants, collected in Texas, Arizona and Southern California, in 1883.

L. J. Wahlstedt, of Christianstad, Sweden, through Robert Nordbloem, of Philada. A collection of Scandinavian *Characeæ*, consisting of 31 species and numerous varieties and forms.

John Donnell Smith, of Baltimore, Md. *Hieracium Marianum*, Willd., from Garrett Co., Md., formerly confounded with *H. Gronovii* L., now restored by Gray; 26 species plants, collected by him in southern United States, in 1884.

Thos. C. Porter. 19 species plants from New Jersey and Pennsylvania.

H. J. Hunt, U. S. N., of the Arctic Relief Search Party for the survivors of the Jeannette, through Chas. E. Smith, of Philadelphia. 10 species Arctic plants, collected in 1882, near the mouth of Lena River, Siberia.

- Aubrey H. Smith. Fruit of *Torreya Californica*, California ; Nut of *Areca Catechu*, from S. China.
- G. Howard Parker. *Usnea barbata* and *Batrachospermum moniliforme*, both from Hammonton, N. J.
- W. A. Kellerman of Manhattan, Kansas. 23 species plants, collected by him in western Kansas.
- Mrs. Fanny E. Briggs, Le Centre, W. T., through Thos. Meehan. 6 species plants, from Washington Terr.
- Isaac Burk. *Trichinium exaltatum* Buth., Cult., native of Australia ; *Gordonia pubescens*, L'Her., and *Halesia diptera*, Willd., both from Bartram's Garden.
- FOSSIL BOTANY.—S. E. Paschal. Plant impressions, Triassic shale, Buckingham Valley, Bucks Co., Pa.
- A. H. Smith. Wood, Gold Run Mine, Cal.
- MINERALS.—Joseph Leidy. White fluorite, locality unknown.
- C. S. Bement. Topaz, beryl, clevelandite, apatite, zircon, montmorillonite, columbite, fluorite and orthoclase, Stoneham, Me. ; curved muscovite, Branchville, Conn.
- W. W. Jefferis. Melanite garnets, Frascati, Italy ; blende, Santander, Spain ; pyrite, Lancaster Co., Pa. ; sphalerite, Alston Moor, Cumberland, Eng. ; pyrite in calcite, Chester Co., Pa.
- J. Binder. 9 specimens of granite, Maine.
- W. B. Eltonhead. Corundum, Lehigh Co., Pa. ; graphite and anthracite in cast iron ; arsenio-pyrite, blende and quartz, Dakota ; muscovite, Custer City, Dakota.
- J. Hartman. Siderite and hematite, millerite in hematite, Antwerp, N. Y.
- G. W. Fiss. Columbite, Amelia Court House, Va.
- J. Border. Mica schists, from marl-pit, Mullica Hill, N. J.
- J. G. Hiestand. Astrophyllite, celestite, barite and calcite, and zircon, Colorado.
- J. Lea. Cancrinite, Chester Co., Pa.
- H. C. Lewis. Calcite with byssolite, Chester Co., Pa.
- W. Hoyt. Chalcopyrite, Chester Co., Pa. ; volcanic ash, Krakatoa.
- W. H. Bates. Magnetite, Marion Co., N. C.
- A. R. McHenry. Pumice, Java Sea, near Krakatoa.
- H. J. Smith. Cassiterite, Rockbridge Co., Va.
- H. H. Eames. Azurite and malachite, Santa Rita Mts., Arizona ; silver in chrysocola, Quijotoa Mts., Arizona ; muscovite and uranite, Ash Co., N. C.
- J. Struthers. A collection of agates, silicified and opalized woods, landscape and other marbles, fluoites, calcites, quartz crystals and other minerals, from various localities.
- S. Wood. Fossiliferous boulder, Escuminiac River, Bonaventure Co., Canada.
- Mr. Linn. Limonite (ochre), Montgomery, Ala.
- P. F. Brown. Vivianite Mullica Hill, N. J. ; byssolite in calcite, French Creek, Chester Co., Pa.
- D. S. Martin. Coal, Discoe Island, Greenland ; turba, Bahia, Brazil.
- Mineralogical Section A. N. S. Barite, Cumberland, England ; apophyllite and calcite, Chester Co., Pa. ; crocidolite, South Africa ; vanadinite, Arizona ; strengite and cacoxenite, Giessen, Germany ; pseudomorphs after sarcolite, Canada ; priceite, Oregon ; pseudocottonite, Vesuvius, Italy ; vesbite, Vesuvius, Italy ; dietrichite, Hungary ; struvite, Schemnitz ; clausthalite, Sweden ; menacannite, var. washingtonite, Litchfield, Conn. ; euchlorine, Vesuvius, Italy ; muscovite, barcenite, Mexico ; bornite, Colorado ; schraufite, Bukowina ; cubanite, Cal. ; kjerulfite and tschermakit, Norway.